

Bobbin wound coated monofilament tapes where the coating comprises between 20% and 120% by weight of said tape, and the process for bobbin winding coated monofilament dental tapes comprising combining a coating conditioning means with means for winding at substantially constant tensions to produce controlled tension bobbins that do not unwind, that dispense uniformly free from back lashing, and that are substantially free from coating displacement and winding displacement when exposed to high temperatures and high relative humidity and that have tack values from between about 0.1 and about 0.5 grams.